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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/697,788	10/30/2003	Michael J. Bullinger	10226.10US11	1146
23552	7590	05/30/2006	EXAMINER	
MERCHANT & GOULD PC P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903			A, PHI DIEU TRAN	
			ART UNIT	PAPER NUMBER
			3637	

DATE MAILED: 05/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/697,788	Applicant(s) BULLINGER, MICHAEL J.	
	Examiner Phi D. A	Art Unit 3637	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 March 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 8-25, 28 and 29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 8-25, 28-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 10 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Lines 1-2 “ the interlocking means” is lacking antecedent basis.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 8, 10-11, 13-21 are rejected under 35 U.S.C. 102(b) as being anticipated by Knudson (5845435).

Per claims 8, 10-11, 13-16, Knudson (figures 10-11) shows a seamless gutter and cover system comprising a seamless gutter (96, seamless as it is made of one piece) formed from a first coil of material having a front face(97), a bottom and a rear portion (98) extending upward to a top segment, a cover system having a cover (99) formed from a second coil of material, the cover extends over the gutter and has a debris separation portion (106) extending above the front face of the gutter, a lip portion (99a) extending upward and wrapping over the top segment (98a) of the gutter, the lip portion and the top segment of the gutter are pressed together along their length to form an integral gutter and cover assembly (the part 99a appears to press fit over part 98a and

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together forming an integral part), the interlocking means comprising crimping the top segment of the gutter and the flange portion of the cover together to interlock the top segment of the gutter with the flange portion of the cover, the gutter is made of a first material and the cover is made of a second material, the first material being aluminum, the gutter and cover are integrally connected without a connector member (the claims thus far have not positively claimed a connector member, and figures 10-11 show no other connecting structures except for the mounting means which applicant later claims anyway), mounting means for securing the system to the edge of the roof, the mounting means further comprising mounting hardware(75) for securing the system to the edge of the roof, the mounting hardware extends through a hole in the gutter and cover system (the system including part 131), the mounting means is repeatedly positioned at determined distances along the gutter and cover system (figure 9).

Per claims 17-21, Knudson (figures 10-11) shows a gutter and cover system comprising a gutter (96) formed from a first coil of material having a front face(97), a bottom and a rear portion (98) extending upward to a top segment, a cover system (99) formed from a second coil of material, the cover extends over the gutter and has a debris separation portion (106) extending above the front face of the gutter, a lip portion (99a) extending upward and wrapping over the top segment of the gutter, the lip portion and the top segment of the gutter are pressed together along their length to form an integral gutter and cover assembly (the part 99a appears to press fit over part 98a and together forming an integral part), an internal support member (131) for reinforcing the gutter and the cover, the internal support member further comprising a debris separation support segment (108) juxtaposed to an underside of the debris separation portion of the cover and having a profile with an upper edge matching the debris separation portion of the

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cover (the curve of the support matches the curve of the cover), a rear portion (141) extending downward to a front face segment, fixation means (75) for securing the internal support member with respect to the gutter and cover system, the fixation means further comprising mounting hardware for securing the internal support member to the gutter and cover system, the mounting hardware (75) extends through a hole in the gutter and into a hole in the debris separation support segment (148), the internal support member is repeatedly positioned at determined distances along the gutter and cover system, the front face defines a continuously curved profile.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 9, 22, 24, 28-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knudson (5845435) in view of Manoogian Jr (5072551).

Knudson shows all the claimed limitations including an internal support member (131) having a pooling segment profile (147) juxtaposed to an underside of the section of the cover, a rear portion (141) extending downward to a front face segment (134) except for the cover comprising a kinetic energy dispersion section intermediate the rear portion of the gutter and the debris separation portion of the cover.

Manoogian Jr. discloses a kinetic energy dispersion section (at 20) intermediate the rear portion of the gutter and the debris separation portion of the cover to enable the slowing of rain water so that rain water would properly drain into the gutter.

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It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Knudson's structure to show the cover comprising a kinetic energy dispersion section intermediate the rear portion of the gutter and the debris separation portion of the cover because it would allow for the slowing of rain water so that rain water would properly drain into the gutter as taught by Manoogian Jr.

Per claims 22, 24, 28-29 Knudson as modified shows a concave pooling portion intermediate the rear portion of the gutter and the curving front portion of the cover.

5. Claim 12 is rejected under 35 U.S.C. 103(a) as being unpatentable over Knudson (5845435) in view of Manoogian Jr (5072551).

Knudson shows all the claimed limitations except for the second material comprising copper.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Knudson's structure to show the second material comprising copper because it has been held to be within the general skill of a worker in the art to select a known material on the basis of its suitability for the intended use as a matter of obvious design choice, In re Leshin, 125 USPQ 416, furthermore, aluminum and copper are well known material outdoor use it is rust resistant, and are commonly used on areas exposed to the elements.

6. Claims 23, 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knudson (5845435) in view of Manoogian Jr (5072551).

Knudson as modified shows all the claimed limitations except for the gutter front face defining a K-style or square profile.

It would have been obvious to one having ordinary skill in the art at the time of the invention to modify Knudson's modified structure to show the gutter front face defining a K-style or square profile because it would have been an obvious matter of engineering design choice to have the face being K-style or square profile since applicant has not disclosed that the different profiles solves any stated problem or is for any particular purpose and it appears that the invention would perform equally well with the front face being continuously curved.

Response to Arguments

7. Applicant's arguments filed 3/6/06 have been fully considered but they are not persuasive.

Applicant states that Knudson does not show a seamless gutter and an integral cover and gutter, and the cover and gutter not being crimped together, examiner respectfully disagrees. As set forth in the office action, the gutter is made of one piece and thus is seamless. The cover is shown pressed fit on the gutter in figure 11 and integrally attached thereof. They thereafter form an integral structure as they are attached together. With respect to crimping, Webster's dictionary: crimp-→ to pinch or press together in order to seal; something that cramps or inhibits; the definition thus reads on the structure shown by Knudson which has parts 99a and 98a press fit together and are thus cramping/inhibiting/pressing together. If applicant means to have "crimp" meaning any thing extra, applicant is encouraged to put the limitation in the claim language. The argument is thus moot.

Applicant's arguments to other claims are thus also moot.

With respect to the pooling section, the reference Manoogian shows a pooling section between the parts 20, Knudson as modified by Manoogian shows the pooling section as claimed. The argument is thus moot.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phi D A whose telephone number is 571-272-6864. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lanna Mai can be reached on 571-272-6867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Phi Dieu Tran A

PA

5/20/06

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